

1                   **THERMOFORMER FOR FORMING AND HEAT BONDING**  
2                   **A THERMOPLASTIC SHEET TO A SUBSTRATE**  
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4    Abstract of the Disclosure

5                   A thermoforming apparatus for forming sheets of sheet plastic onto a substrate in  
6    which a retractable substrate heater is able to be positioned over a substrate loaded into the press  
7    and energized while a plastic sheet is being heated in an oven included in the thermoformer  
8    apparatus. The plastic sheets are cut from a strip pulled from a roll of sheet material, the roll  
9    supported for side to side movement and driven by a servomotor responsive to error signals  
10   generated by a strip edge sensor to compensate for wandering of a strip edge to thereby insure  
11   accurate location of plastic sheets cut from the unwound strip.